L 31275-66 EWT(m)/EWP(j) RM SOURCE CODE: UR/0079/66/036/002/0296/0302	
AUTHOR: Khayrullin, V. K.; Sobchuk, T. I.; Pudovik, A. N. ORG: Institute of Organic Chemistry, AN SSSR, Kazan' (Institut organicheskoy khimii	
AN SSSR)	
TITLE: Reaction of ethyldichlorophosphine with alpha, beta-unsaturated acids	
SOURCE: Zhurnal obshchey khimii, v. 36, no. 2, 1966, 296-302 TOPIC TAGS: reaction mechanism, chlorinated organic compound, IR spectrum,	
actorification, chemical symbols, and pro-	
ABSTRACT: The addition of ethyldichlorophosphine to propiolic acid proceeds In the 1,4-position with the formation of 4-oxo-4-chloro-4-phospha-2-hexenoyl chloride. In the reaction of 4-oxo-4-chloro-4-phospha-2-hexenoyl chloride with alcohols and diethyl-amine, esters and the diethylamide of 4-oxo-4-alkoxy-4-phospha-2-hexenoic acid were obtained. Esters of 4-oxo-4-alkoxy-4-phospha-2-hexenoic acid, containing an electrophilic bond, readily add nucleophilic reagents and are extremely active in diene synthesis. The nucleophilic reagent is directed to the beta-carbon atom with respect to the carbomethoxy group. Infrared spectra are cited for seven reaction products. The authors thank R. R. Shagidullin for producing and interpreting the IR spectrum. Orig. art. has: 1 figure and 1 table. [JPRS]	
SUB CODE: 07 / SUBM DATE: 15Mar65 / ORIG REF: 006 / OTH REF: 002	
Card 1/1 8 2 UDC: 547.468.1 0778	
The state of the s	

BUGAY, S.M. [Buhai, S.M.]; SOBCHUK, V.V.

Determination of the surface area of corn leaves. Ukr.bot.zhur.
16 no.5:69-72 '59.

1. Umanskiy sel'skokhozyaystvennyy institut.
(Leaves)

BUROVOY, I.A.; SOBCHUK, Yu.I.

Steam generation in the evaporation cooling of boiler-layer roasters.
TSvet.met.29 no.12:42-47 D '56. (MERA 10:2)

(Metallurgical furnaces) (Heat regenerators)

CIA-RDP86-00513R001651820001-7 "APPROVED FOR RELEASE: 08/25/2000

SOV/137-59-1-281

Translation from: Referativnyy zhurnál. Metallurgiya, 1959, Nr 1, p 35 (USSR)

Sveshnikov, M. A., Sobchuk, Yu. I., Vasiliyev, B. T. AUTHORS:

Placing Into Operation the First Fluidized-solids Furnace for the TITLE:

Roasting of Pyrite (Opyt puskā pervoy pechi dlya obzhiga kolchedana

v kipyashchem slove)

PERIODICAL: V sb.: Vopr. polucheniya sernist. gaza izkolchedana i sery.

Leningrad, Goskhimizdat, 1957, pp 58-68

ABSTRACT A furnace for roasting of pyrite by the fluidized-bed method was designed in 1953 and placed into operation in 1955 at the Voskresenskiy

chemical plant. The furnace is designed for maximum utilization of heat of the fluidized layer (immersed coils) as well as of furnace gases (heat-recovery boilers) A diagram and a detailed description of the furnace and its associated equipment are presented. The furnace is rectangular in cross section $(2.2 \times 6 \times 2.45 \text{ m})$ and is equipped with automatic controls for regulation of fuel and draft; the rated output of the furnace constitutes 90 tons of pyrite per day, the height

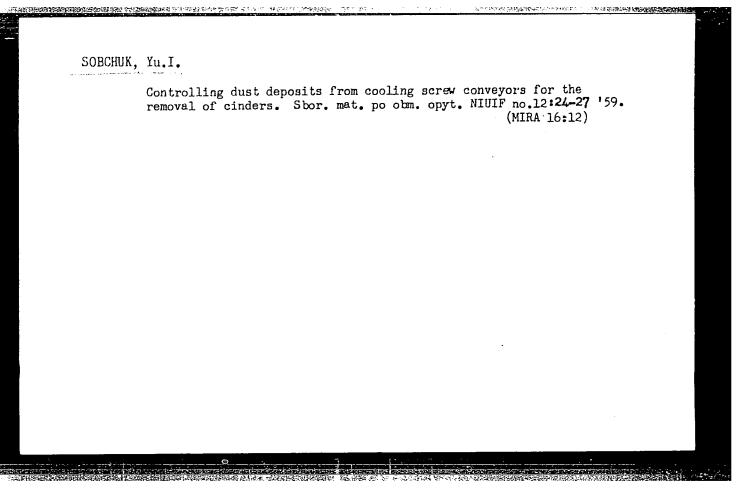
of the fluidized-solids layer being 0.7 m. The roasting output attained amounted to 55 tons per day: the S content in cinders and in

Card 1/2

SOV/137-59-1-281 Placing Into Operation the First Fluidized-solids Furnace (cont.)

the dust amounted to 0.2 - 0.9% and 0.6 - 0.8%, respectively (42% S in the pyrite); the SO₂ content in the gases constituted 10-11%. Significant advantages offered by this method, as compared with roasting in mechanical furnaces, are pointed out.

Card 2/2



"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001651820001-7

L 56h92-65 ACCESSION NR: AP5017800

UR/0286/65/000/011/0031/0031 631.859.12.002.2 #B

AUTHOR: Karatayev, I. I.; Mel'nik, B. D.; Repenkova, T. G.; Sviridova, A. G.; Doktorov, N. L.; Nazarov, G. N. Raygorodskiy, I. M.; Vasil'yev, B. T.; Bystrov, M. V.; Babaryka, I. F.; Kuzyak, F. A.; Fel'dman, H. V.; Soverchenko, D. A.; Buslakova, L. P.; Toroptseva, N. P.; Lyubimov, S. V.; Ul'yanov, A. T.; Andres, V. V.; Sobchuk, Yu. I.; Tsetlina, M. M.; Andreyev, V. V.; Kramer, G. L.

TITLE: A method for producing phosphoro-potassium fertilizers. Class 16, No. 171-409

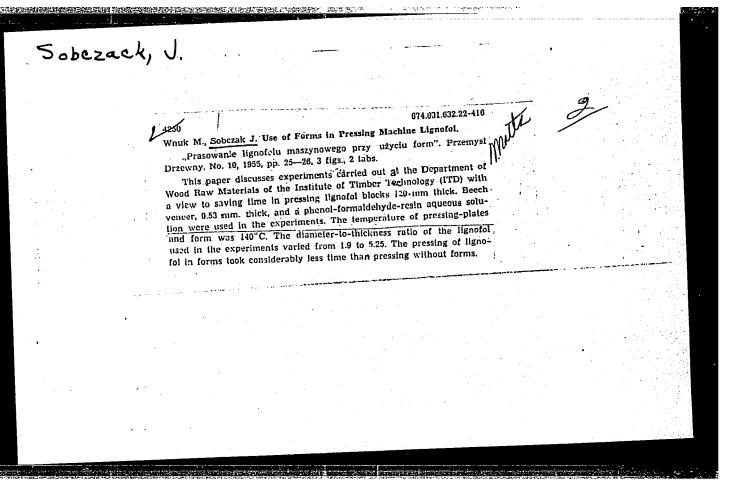
SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 11, 1965, 31

TOPIC TAGS: fertilizer, phosphate, potassium

ABSTRACT: This Author's Certificate introduces a method for producing phosphoropotassium fertilizers using cement dust (waste from cement production) as the potassium raw material. The process of adding potassium to the product is simplified
and evaporation is prevented by using a 20% excess of an acid which directly neutralizes the cement dust for breaking down the phosphate raw material.

Card 1/2

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ASSOCIATION: none		•	•	
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SOBCEAK, Jan

A program of modernizing thermal treatment in Polish industry.
Problemy proj hut meszyn 13 no.1;24-29 Ja '65.

1. Prozamet, Lodz Branch.

ADAMCZAK, Jerzy; SOBCZAK, Jerzy M.

- 2 cases of vanishing pulmonary lobes. Pol. przegl. radiol. 26 no.1: 47-57 °62.
- 1. Z Kliniki Radiologiczej AM we Wroclawiu Kierownik: doc. dr med.
- Z. Kubrakiewicz i z Pracowni Radiologicznej Szpitala im. K. Swierczewskiego w Klodzku Kierownik: lek. J. M. Sobczak.

(LUNGS radiog)

Witnessy and Prostice of Prying Lumber in Kilms", p. 7, (FRIMARIL DEFINIT, Vol. 5, No. 11, Nov. 1954, Marganese, Polind)

SO: Monthly List of East European Accessions, (VEAL), LC, Vol. 4, No. 5, May 1955, Encl.

```
"Theoretical Bases of the Drying Process; grain I-d, its Structure and Changes", 1.7, (Parameter Education, Mol. 5, Mo. 12, Dec. 1954, Marchand, Poland)

30: Monthly List of East European Accordions, (MMML), LO, Vol. 4, No. 5, Eay 1951, Uncl.
```

SOBCZAK, K.

The influence of seasoning and plasticizing by steaming on lasting changes in the mechanical and physical properties of beechwood. $p.\,5$

SYLWAN (Wydział Nauk Rolniczych i Lesnych Polskiej Akademii Nauk i Polskie Towarzystwo Lesne) Warszawa, Poland. Vol. 103, no. 4, Apr 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 9, September 1959. Uncl.

SOBCZAK, Kazimierz

"Hydrothermic treatment of timber" by Prof. Dr. P.S.Siergowski. Reviewed by Kazimierz Sobczak. Sylwan 104 no.4:79-80 Ap '60.

SOBCZAK, Nikodem

Determination of phenol in the presence of resorcinol. Pt. 1. Chem anal 8 no.2:261-266 '63.

1. Department of Analytical Chemistry, Politechnika, Warsaw.

SOBCYAK, Nikodem

Determination of phenol in the presence of resorcinol. Pt.2. Chem anal 8 no.4:613-619 '63.

 Department of Analytical Chemistry, Polytechnic College, Warsaw.

SOBCZAK, Nikodem

Determination of phenol in the presence of resorcin. Chem anal 8 no.5:801-806 *63.

1. Katedra Chemii Analitycznej, Politechnika, Warszawa.

SOBCZAK, R., mgr inz.

Farnborough 1962; gyroscopic instruments and systems. Techn lotn 18 no.12:338-345 D'63.

SOECZAK, R., mgr inz.

Farnborough 1962; gyroscopy instruments and systems. Techn lotn
18 no.10:278-282 0 '63.

```
"New Mooden Beam for Bridges." p. 152, (DROS LETTINO, Vol. 9, No. 6, June 1954, Warszawa, Poland.)

SO: Monthly List of East European Accessions, (EEAL, LC, Vol. 3, No. 12, Dec. 1954, Uncl.
```

SOBCZAK, S.

Light and cheap abuntments of small reinforced-concrete bridges. p. 193.

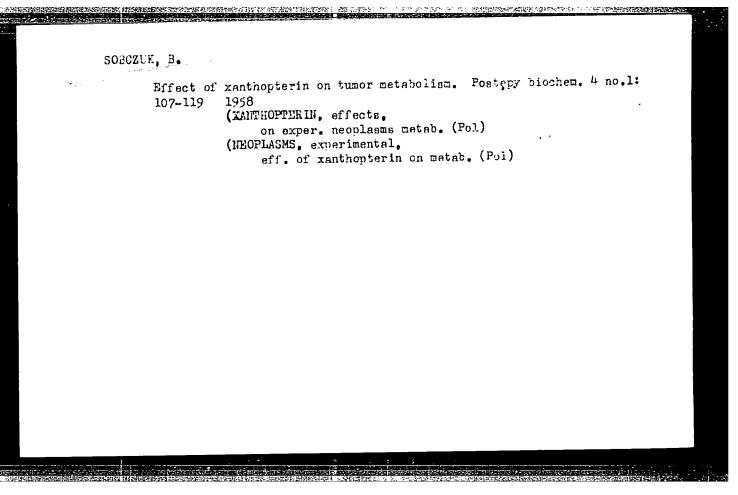
(INZYNIFRIA I BUDOWNICTWO, Vol. 14, No. 5, May 1957, Warszawa, Poland.)

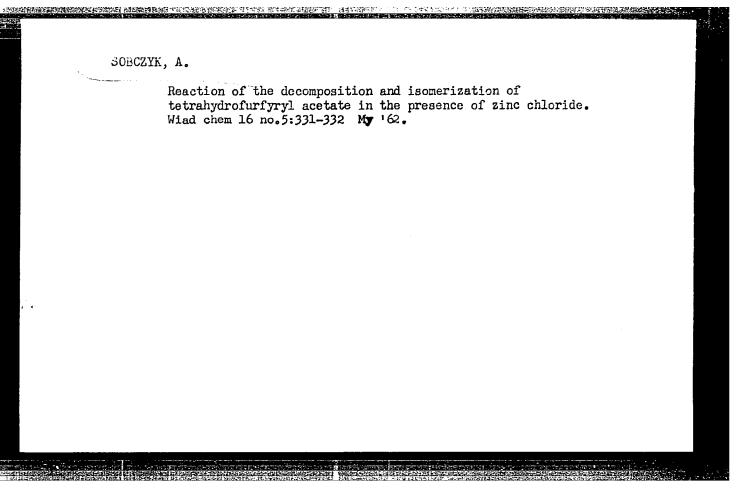
SO: Monthly List of East European Accessions (EFAL) Lc. Vol. 6, No. 10, October 1957. Uncl.

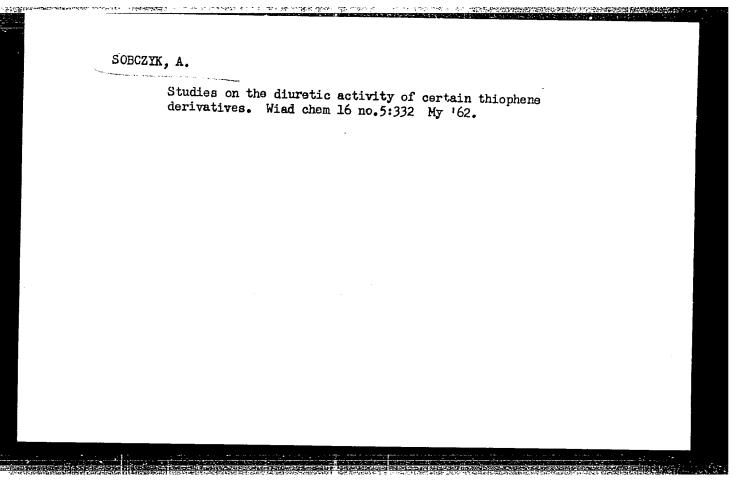
SOBCZAK, Wojciech

Evaluation of reduced noise resistance of radiolocation and radio telegraphic systems due to the lack of synchronization. Lacznose Gdansk no.12:3-16 '64.

1. Department of Basic Problems of Telecommunication of the Gdansk Technical University. Submitted September 4, 1963.







BOBRANSKI, Boguslaw; GIELDANOWSKI, Jerzy; PELCZARSKA, Alicja; SEDZIMIRSKA, Bozena; SOPCZYK, Anna; WILIMOWSKI, Marian

On some aliphatic and alicyclic amines with hypotensive activity . Arch. immun. ther. exp. 10 no.4:818-833 '62.

1. Department of Pharmaceutical Chemistry, School of Medicine, Wroclaw; Department of Pharmacology, Institute of Immunology and Experimental Therapy, Polish Academy of Sciences, Wroclaw.

(AMINES) (ANTIHYPERTENSIVE AGENTS)

(PHARMACOLOGY)

61741-65 EWT(d)/EWP(CCESSION NR: AP5016903	w) Pg-4 IJP(c) EM	PO/0097/65/006/001/0099/0109	
UTHOR: Sobozyk, K. (War	10	18 17	
ITLE: Scattering of a p	olane elastic wave at a rand	om surface . 3	
OURCE: Proceedings of v	ribration problems, v. 6, no	o. 1, 1965, 99-109	
		e propagation, elastic wave	
	$p_{ss} = \lambda \nabla^{s} \Phi + 2\mu (\Phi_{ss} + \Psi_{ss}),$		
	$p_{xx} = \lambda \nabla^{2} \Phi + 2\mu (\Phi_{xx} - \Psi_{xz}),$ $p_{xx} = \lambda \nabla^{2} \Phi + 2\mu (\Phi_{xx} - \Psi_{xz}),$	(2)	
	$p_{xz} = \mu(2\Phi_{xz} - \Psi_{zz} + \Psi_{xx})$		
andom processes develope haracteristics of the re ave from a surface whose	ed by Loeve, the author determined process which represen	its the scattering of an elastic characteristics are given. In	

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L 61741-65 ACCESSION NR: AP5016903			7
results obtained assume a particular homogeneous surface (weakly staticomments concerning determination the complete distribution of the ASSOCIATION: Department of Vibra	onary process). The author of the complete distribut surface. Orig. art. has:	tion of the waves given 32 formulas.	
SUBMITTED: 26Jun64	ENCL: 00	SUB CODE: GPMA	
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		일본 및 기계의 시간 기계 등록 함께 기계 등 기계 기계를 받는 것 같습니	
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ACC NR AP7003457

SOURCE CODE: PO/0097/66/007/004/0363/0374

AUTHOR: Sobczyk, K. (Warsaw)

ORG: Department of Vibrations, IBTP, Polish Academy of Sciences

TITLE: Rayleigh wave scattering at a random boundary of an elastic body

SOURCE: Proceedings of vibration problems, v. 7, no. 4, 1966, 363-374

TOPIC TAGS: surface roughness, Rayleigh wave, elastic body, Rayleigh wave scattering, Rayleigh wave damping, small perturbation method, correlation theory

ABSTRACT: The problem of Rayleigh wave scattering along a statistically homogeneous random surface was investigated. Using the method of small perturbations, it was found that the probatilistic characteristics of random stresses in the mean plane are the cause of scattered wave generation. The average value and the mean square of fluctuation of the scattered wave amplitude ratio in proportion to the fundamental Rayleigh wave ratio was determined. The damping coefficient was discussed from a probabilistic point of view. A method leading to an approximate

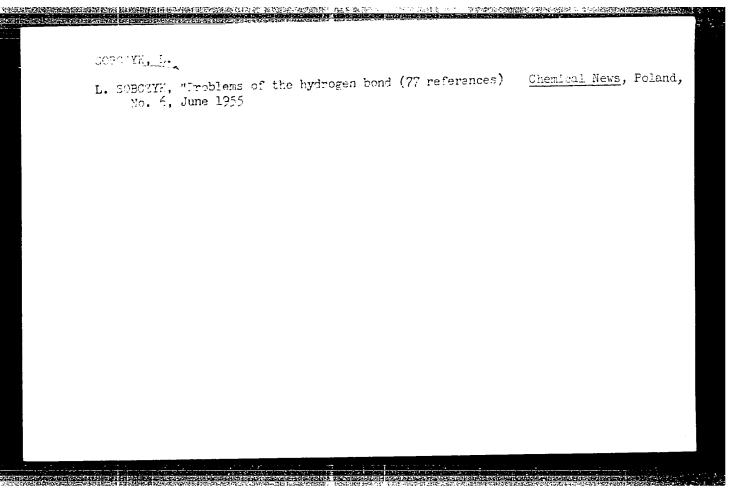
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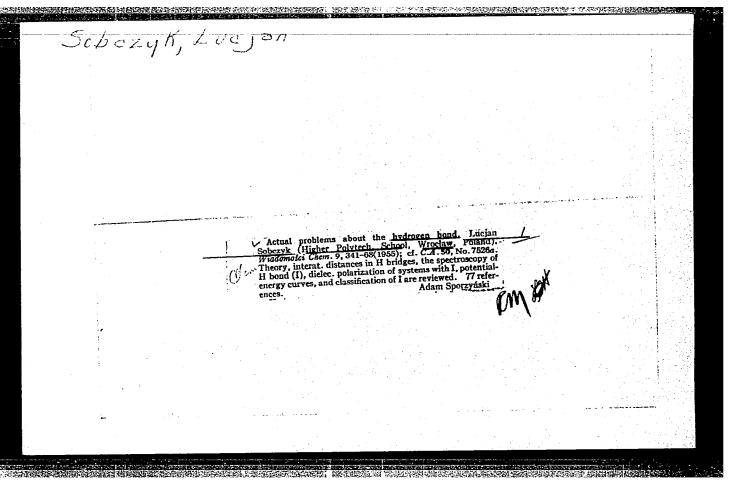
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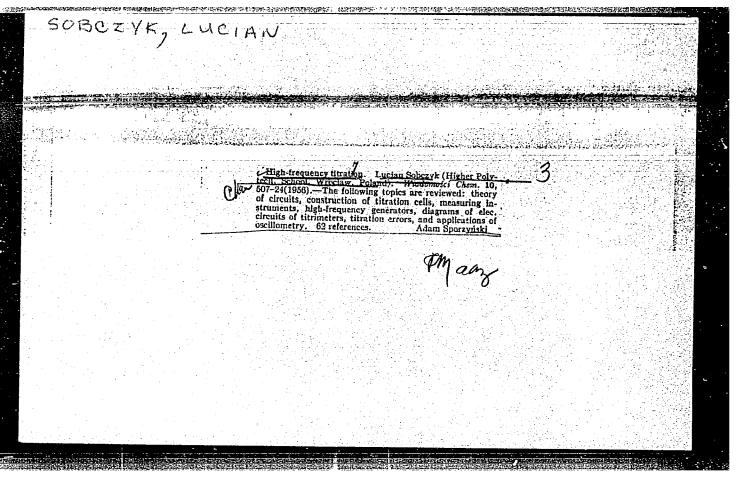
evaluation of Rayleigh wave velocity variability, caused by surface roughness, was also given. The investigation was conducted within the framework of the theory of random functions of the second order (correlation theory). Orig. art. has: 52 formulas. [Author's abstract]

SUB CODE: 20/SUBM DATE: 16May66/ORIG REF: 003/SOV REF: 004/OTH REF: 003/

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6730 D VK, 3

POLAND/Physical Chemistry - Surface Phenomena Adsorption.

B 13

Chromatography, Ion Exchange

Abs Jour

: Referat Zhur - Khimiya, No 2, 1957, 4013

Author

: Sobezyk L.

Title

: Ion Exchange in Non-Aqueous Solutions

Orig Pub

: Przem. chem., 1956, 12, No 7, 389.392

Abstract

: By means of determination of electric conductivity a study has been made of the kinetics and equilibrium constants have been determined of the exchange of Na+ and K + cations in cathionite samples under static conditions in water, acetone, methyl alcohol and a mixture of the latter and nitrobenzene. With sufficiently efficient stirring the velocity constants in different solvents are found to be quite similar from which the author draws the conclusion that velocity of the exchange reaction is determined by the diffusion of ions through the interface of resin and solution. The equilibrium constants in aqueous and non-aqueous solutions are

Card 1/1

- 231 -

very different.

moments were 198 and 0.83 D; for I and II. Increase of conjugated double bonds in aromatic base rings caused the increase of the dipole moments. The bond polarity can be considered as the measure of acidity and basicity of org. compds, in nonpolar solvent. III forms with org. acids the strongest polar complexes. The forces existing in H bonds of the strongest polar complexes. The forces existing in H bonds of the properties of H-bridge system are associd, with the valence levels of a proton-acceptor atom. Z. Kurtyka.

1 AAL

FOLANT/Physical Chemistry - Molecule. Chemical Rend

В.

· Abs Jour

: Ref Zhur - Khimiya, No 9, 1958, 27665

Author

: Sobezyk, L. and Syrkim, J.K.

Inst Title

: Dielectric Polarization of Systems Containing Hydrogen

Bonds. II. Complexes of Organic Acids with Quinoline,

Acridine, and Triethylamine.

Orig Pub

Roczniki Chem. 30, No 3, 893-899 (1956) (in Polish with

a Russian summary)

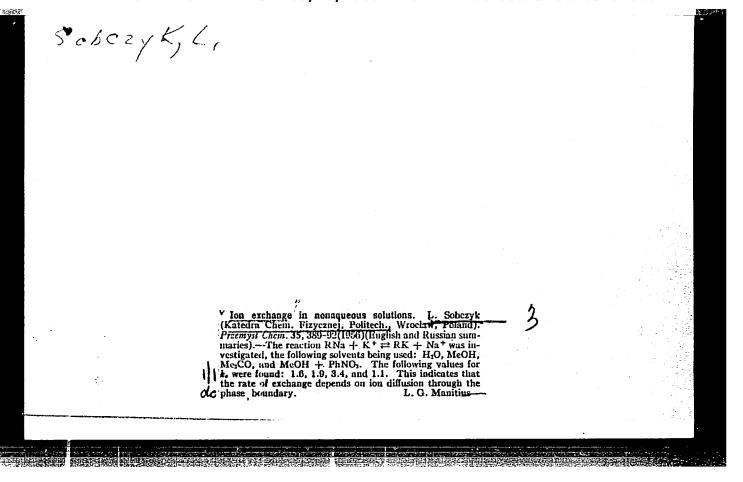
Abstract

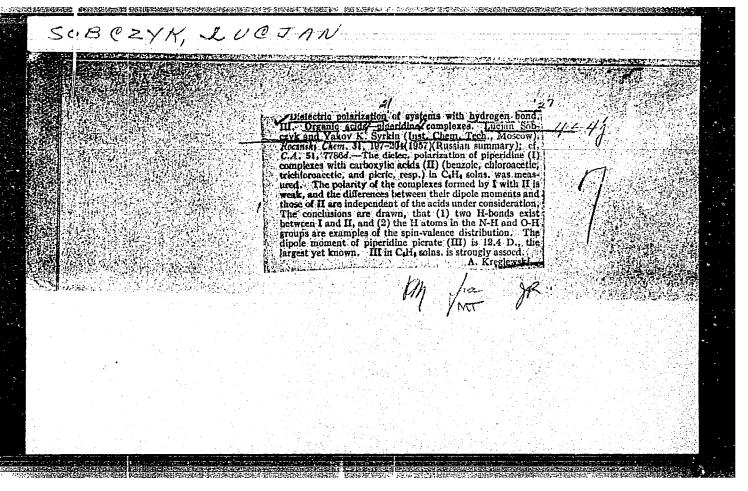
The dielectric polarization of three-component systems (indifferent solvent, acid, and base) was measured. The effect of the properties of the base (dipole moment Ac and ionization constant) and of the valence state of the proton acceptor on the polarization of the hydrogen bond Accis discussed. Complexes (K) formed by pyridine (I), quinoline (II), acridine (III), and triethy-

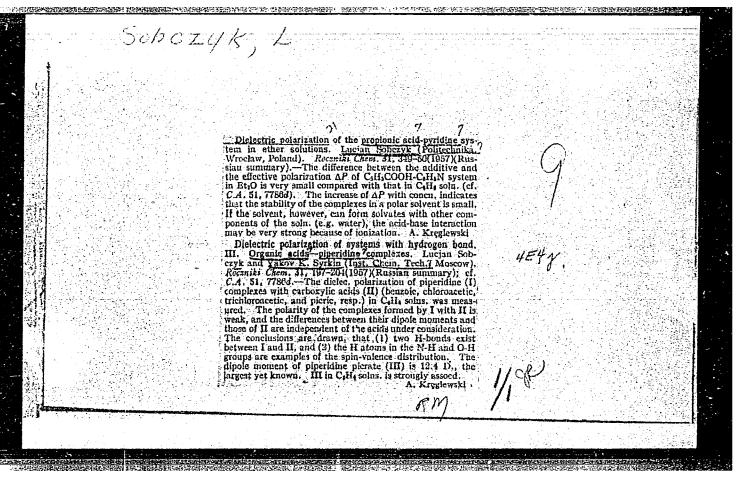
lamine (IV) with propionic (V), chloroacetic (VI),

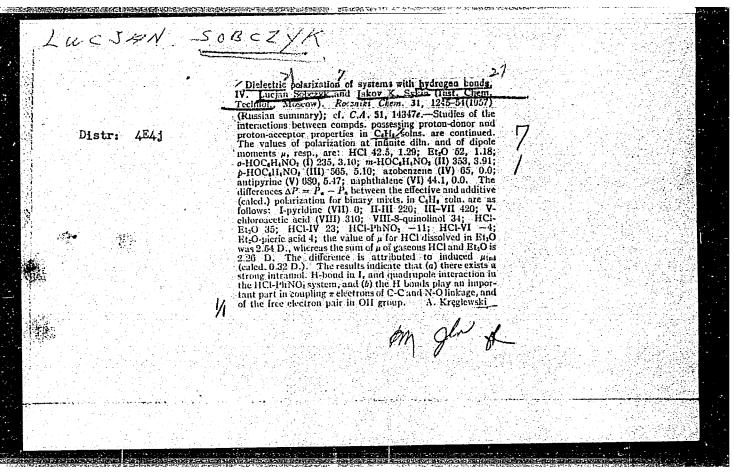
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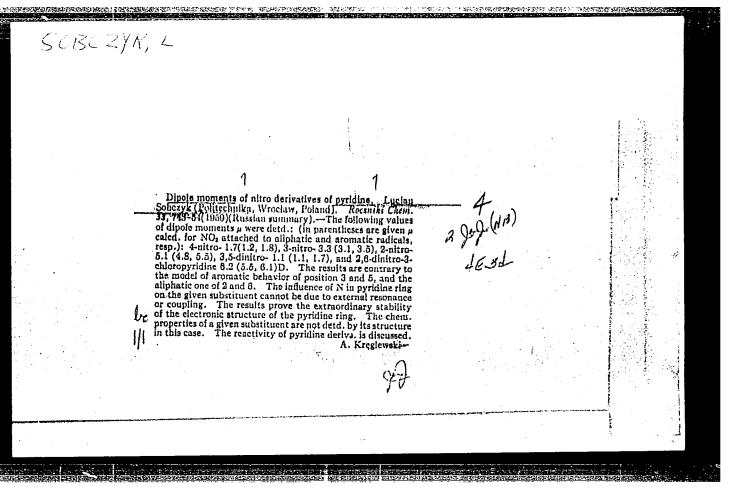
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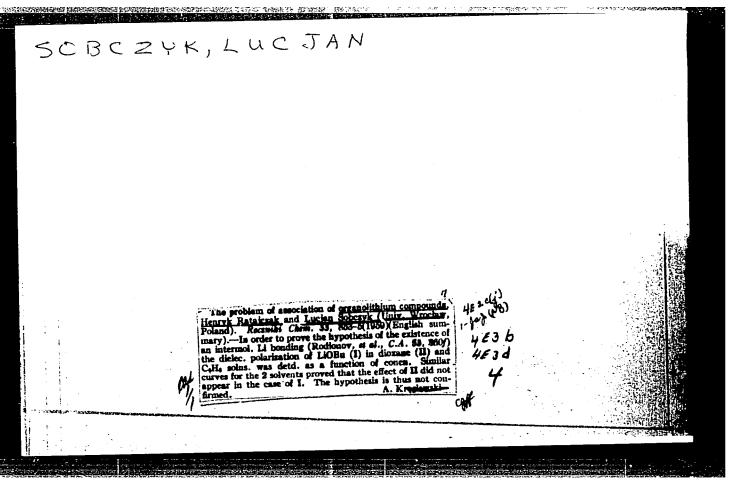












RATAJCZAK, Henryk: SOBCZYK, Lucjan

Influence of self-ionization on the dielectric polarization of dimers of carboxylic acids. Rocz chemii 33 no.6:1397-1405 '59. (EEAI 9:9)

1. Katedra Chemii Fizycznej Uniwersytetu, Wroclaw i Katedra Chemii Fizycznej Politechniki, Wroclaw.

(Carboxylic acids) (Polymers and polymerization)

(Dielectrics) (Polarization)

Dipole moments of some phenyl derivatives of pyridine. Rocz chemii (EEAI 10:1) 1. Katedra chemii Fizycznej Politechniki, Wroclaw i Katedra Chemii Fizycznej Uniwersytetu, Wroclaw. (Electric moment) (Diphenylpyridine) (Triphenylpyridine) (Phenylpyridine)	
(Triphenylpyridine) (Phenylpyridine)	'

SOBCZYK, L.

UV absorption spectra of phenylsubstituted pyridines and quinolines. Bul chim PAN 9 no.4:237-244 '61.

1. Department of Physical Chemistry, University, Wroclaw and Department of Physical Chemistry, Technical University, Wroclaw. Presented by T. Urbanski.

(Adsorption and absorption) (Phenyl) (Pyridine) (Quinoline)

SOBCZYK, L.; KOLL, A.; RATAJCZAK, H.

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Dielectric polarization and the interaction of phenols and piperidine in hydrogen bonded complexes. Biul chim PAN 11 no.2:85-89 '63.

1. Department of Physical Chemistry, University, Wroclaw, Presented by W. Trzebiatowski.

MALARSKI, Frighton; SOBCZYK, Lucjan

Comption of amines by the carboxylic cation excanger amberlite IRC-50 from nonaqueous solvents. Rocz chemii 37 no. 7/8:871-280 163.

1. Department of Physical Chemistry, University, Wroclaw.

Physics chemical properties and structure of dipyridylamines.
Pt.1. Bull chim PAN 12 no.12:831-835 164.

1. Department of Physical Chemistry of Wroclaw University.
Submitted October 3, 1964.

SOBCZYK, PIOTR

"Rice growing"

p. 38 (Warszawa, Panstwowe Wydawn. Rolnicze i Lesne, 1952, Warsaw, Poland)

Monthly Index of East European Accessions (EEAI) LC, Vol. 8, No. 1, Jan. 59.

```
A case of psychic disorders of the pellagroid type. Neur.&c. polska 7 no.5:739-745 Sept-Oct 57.

1. Klinik, Psychiatryczna Slaskiej A. M. Imbliniec. Kierownik: doc. S. Cwynnr. Oddzial Mlodziezowy. Ordynator: J. Krasowska.

(PFLIAGRA, manifest.
ment. disord. (Pol.))

(MENTAL DISORDERS, etiol. & pathogen.
pellagra (Pol.))
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SOBCZYK, Piotr

On insulin convulsions. Neur.&c.polska 10 no.5:681-689 '60.

1. Klinika Psychiatryczna Sl. A.M. - Lubliniec, Kierownik Z-ca prof. dr med. S.Swierczek. Oddział Psychiatrii Rozwojowej. Ordynator: dr med. J.Krasowska.

(HYPERINSULINISM)

SOBCZYK, Piotr

Experiment with a simultaneous administration of ATP and berolase in insulin treatment. Neurologia etc. polska 11 no.2:215-220 Mr-Ap ¹61.

1. Klinika Psychiatryczna S1.A.M. w Lublincu Kierownik: doc. dr med. S. Swierczek.

(SHOCK THERAPY INSULIN) (ADENOSINE PHOSPHATES ther)
(COCARBOXYLASE ther)

SOBCZYK, Piotr

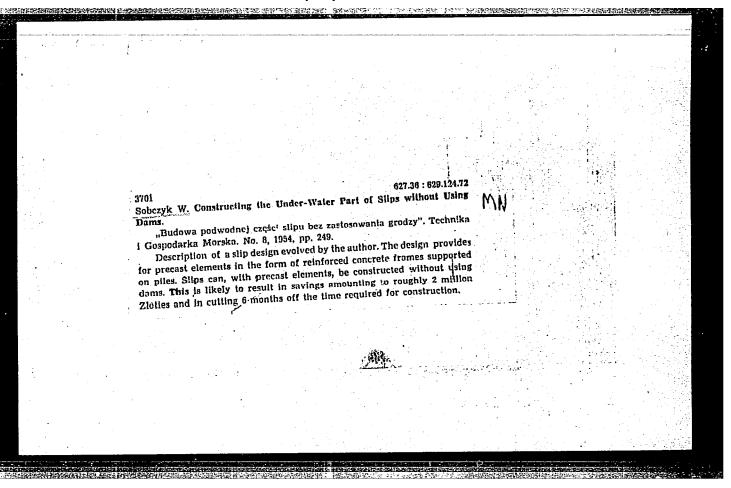
Attempted establishment of the relationship between insulin seizures and symptomatic schizophrenia. Neurol. neurochir. psychiat. Pol. 14 no. 2:297-302 Mr-Ap '64.

1. Klinika Psychiatryczna Sl. AM w Lublincu (Kierownik: doc. dr med. S.Swierczek).

Symptomatic spinor is similar to the paranola parasitaria.

A trol., neurodiic., psychiat. Fol. IX no.42611-614 Jl-Ag 764

1. Z Kliniki Psychiatrichnej Slaskiej Akaderi. Medycznej w .u.linou (Kieromiic) doc. dr. med. S. Swierozek.).



SOBCZYK, W.

Osmycki's <u>Telefoniczne sieci miejscowe</u> (<u>Local Telephone Systems</u>); a book review. p.287. (WIADOMOSCI TELEKONUNIKACYJNE, Warszawa, Vol. 24 (i.e.23), No. 12, Dec. 1954)

SO: Monthly List of East European Accessions, (EEAL), IC, Vol. 4, No. 6, June 1955, Uncl.

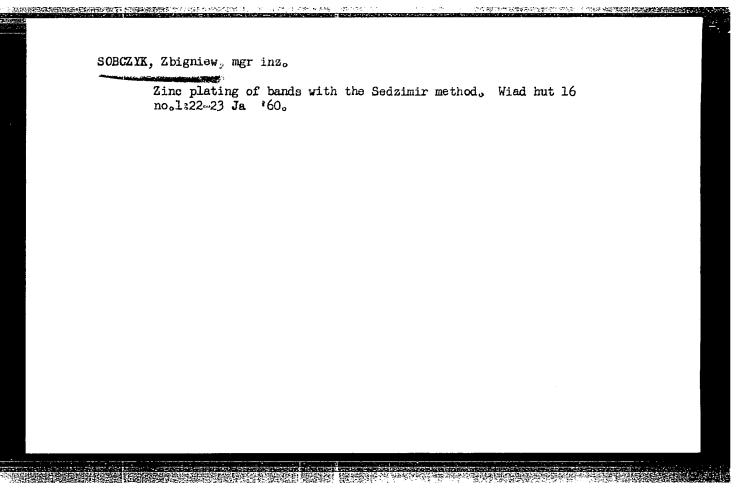
SOBCZYK, W., mgr., inz.

Concrete chamber-girder quay construction in the Danzig port. Tech gosp morska 10 no.10:318-319 $\,$ 0 160.

1. Biuro Projektow Budownictwa Morskiego, Gdansk.

SOBCZYK, Wladyslaw, inz.

Testing lead-acid accumulator plates with the cadmium electrode. Przegl telekom 35 [i.e. 36] no.3:90-92 Mr '63.



"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001651820001-7

s/123/62/000/003/003/018 34050 AOO4/A101

15.2400

Sobczyk, Zenon-AUTHOR:

Using cermets as heat-resistant structural materials TITLE:

Referativnyy zhurnal, Mashinostroyeniye, no. 3, 1962, 25, abstract 3A153 (Cermetale-nowe zaroodporne materialy konstrukcyjne 1 ich zastosowanie. "Mechanik", 1961, v. 34, no. 7, 360-361, Polish) PERIODICAL:

The author presents the mechanical properties of cermets of the Al $_2$ 03-Fe and Al $_2$ 03-Cr type which are used as heat-resistant materials. The maximum bending strength cermet has at a Fe-content of up to 65% and an average Al₂0₃ grain size not exceeding 5 μ . Cermets are sintered in a hydrogen atmosphere at temperatures in the range of 1,400 - 1,500 and 1,800 - 1,900 C. Specimens at temperatures in the range of 1,400 - 1,500 and 1,800 - 1,900 C. made of very fine Fe and Al₂O₃ powders (85% Al₂O₃), after sintering at 1,700 - 1,750°C have 6_b bend = 20 kg/mm². The electric and heat conductivity of cermet 1,750°C have 6_b the determined by its composition, sintering temperature and pressing method. Depending on the Al₂O₃ and Fe-content, it is possible to obtain cermets of different structures: 1) The Al₂O₃ grains form a skeleton in which the metal different structures: 2) The Al₂O₃ grains are located in a metallic grains (insulators) are placed; 2)

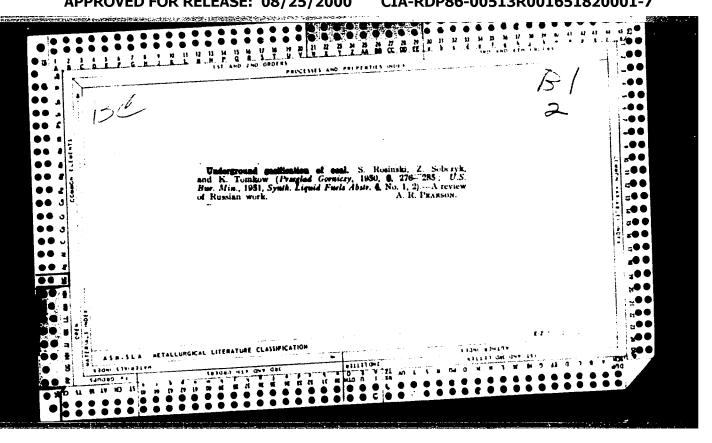
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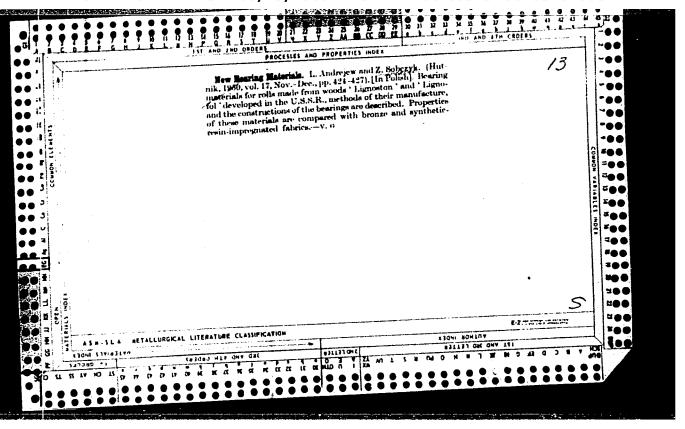
34050 s/123/62/000/003/003/018

A004/A101 Using cermets as heat-resistant ... skeleton (electroconductive ceramics). 3) Metal and ceramics have interpenetrating skeletons. Instead of Fe-powders, also steel powders are used, containing up to 0.5% C, which makes it possible to heat-treat cermets, e.g. to harden them. Powders from alloyed Cr and Cr-Ni steels are used for corrosion-resistant

cermets. Cr-powder of some 10 m grain size with Fe (3 - 5%), WC (2 - 3%), Co (0.75%) additions and very fine-grained Al₂O₃ powder (approximately 0.8 ω) is used for the manufacture of Al₂0₃-Cr cermet. Cermet, sintered in a CO and N_2 -atmosphere possesses superior properties in comparison with specimens sintered in a hydrogen atmosphere. The final sintering temperature for cermets with 50% Cr attains 1,600 - 1,650 C. Cermets which have been manufactured in such a way, have a high oxidation resistance up to 1,500°C. At a tenfold heating up to $1,350^{\circ}\text{C}$ and cooling in the air, the specimen strength rises by 15 - 50%, which can be explained by the oxidation of the metal surface, owing to which surface cracks are closed. The specific gravity of cermet amounts to 4.65 g/cm³; cracks are closed. The specific gravity of cermet amounts to 4.03 g/cm; the specific gravity of cermet amounts to 4.03 g/cm; the specific gravity of cermet amounts to 4.03 g/cm; the specific gravity of cermet amounts to 4.03 g/cm; the specific gravity of cermet amounts to 4.03 g/cm; the specific gravity of cermet amounts to 4.03 g/cm; the specific gravity of cermet amounts to 4.03 g/cm; the specific gravity of cermet amounts to 4.03 g/cm; the specific gravity of cermet amounts to 4.03 g/cm; the specific gravity of cermet amounts to 4.03 g/cm; the specific gravity of cermet amounts to 4.03 g/cm; the specific gravity of cermet amounts to 4.03 g/cm; the specific gravity of cermet amounts to 4.03 g/cm; the specific gravity of cermet amounts to 4.03 g/cm; the specific gravity of cermet amounts to 4.03 g/cm; the specific gravity of cermet amounts to 4.03 g/cm; the specific gravity of cermet gravity of gravity of

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SCECZIK, Z.

"The Principles of Heating Ingots in Soaking Pits in Steel Mills" p. 19 (Wiadomosci Hutnicze, Vol. 9, No. 3, March, 1953, Stalinogrod)

SO: Monthly List of East European Accessions, Vol. 3, No. 2, Library of Congress, February, 1954, Uncl.

SCECZYK, Z.

"Regaining Chimney Heat" p. 27 (<u>Wiadomosci Hutricze</u>, Vol. 9, No. 6, June, 1953, Stalinogrod)

SO: Monthly List of East European Accessions, Vol. 3, No. 2, Library of Congress, February, 1954, Uncl.

SOBCZYK, Z.

"Pit Furnaces in Steel Mills" p. 35 (<u>Wiadomosci Hutnicze</u>, Vol. 9, No. 7/8, July/ Aug., 1953, Stalinogrod)

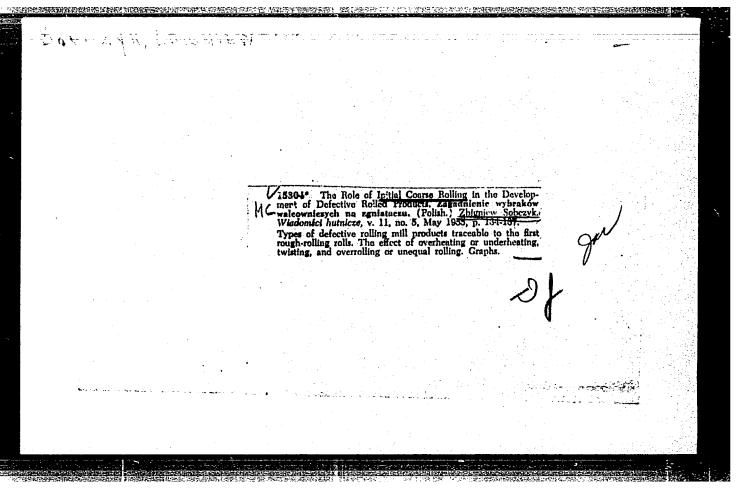
SO: Monthly List of East European Accessions, Vol. 3, No. 2, Library of Congress, February, 1954, Uncl.

SOBCZYK, Z.	
"Furnaces with grates in rolling mills." (p.23) WIADOMOGCI HUTNICZ Przemyslu Hutnicaego) Stalinograod. Vol 9, no. 9, Sept. 1953	CE (Centralny Zarzad
SO: EAST European Accessions List Vol 4, No 8, Aug. 1954	

SOBCZYK, Z.

"Some Directives Concerning the Construction of Plastic Rolling Mill Bearings." p.10 (WIADOMOSCI HUTNICZE Vol. 10, no. 1, Jan. 1954 Stalinogrod, Poland)

SO: Monthly List of East European Accessions, LC, Vol. 3, no. 5, May 1954/Uncl.



SOBCZYK, Zbigniew (Plock)

Construction of the dwelling developments "Kolegialna" and "Dobrzynska" and the building trade school for the "Petrobudowa" Project. Przegl budowl i bud mieszk 34 no.4/5:246-249 Ap-My '62.

2/056/62/019/002/002/014 1037/1242

AUTHOR:

Sobczyk, Z.

TITLE:

Ceramic-metals - new fire proof construction materials

and their use

PERIODICAL:

Přehled technické a hospodářské Literatury, Hutnictví a strojírenství, v.19, no.2, 1962, 87, abstract HS62-1103 (Mechánik, Warszawa,

v.34, no.7, 1961, 360-361

Definition of ceramic-metallic materials, production review, composition, division. The substances Al₂O₃-Fe Al₂CO₃-Cr. Development prospects. 11 references.

[Abstracter's note: Complete translation.]

Card 1/1

SOBCZYK, Zbigniew, mgr inz.

Little known use of certain metals. Wiad but 19 ho.7/8:
212-215 Jl/Ag '63.

SOECZYK, Zbigniew (Zabrze)

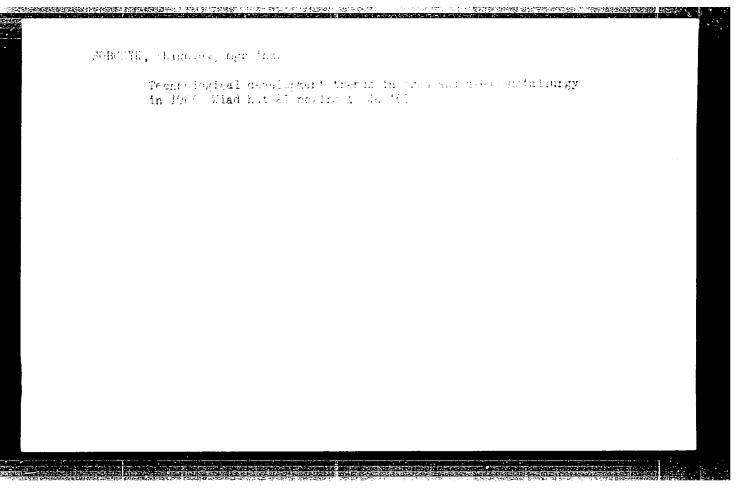
Carpenter finishing and aluminum plumbing in the Hitnik sanatorium in Szczawnica. Przegl budowl i bud mieszk 35 no.10:524-527 0163.

SOBCZYK, Zbigniew, mgr inz.

Rolling mill of the steel works in Dunkirk. Wiad hut 15 [i.e. 20] no.5:141-145 My '64.

SOBCZYK, Zbigniew (Zabrze)

Experiments in foundations of high structures in mountainous areas. Przegl budowl i bud mieszk 36 no. 5:247-251 My '64.



ACC NR: AT6001506

SOURCE CODE: PO/2514/64/000/012/0003/0016

AUTHOR: Sobczak, W.

C+1

ORG: Danzig Polytechnical Institute (Politechnika Gdanska)

TITLE: Estimating the decrease in the noiseproof feature in radar and radiotelegra hy systems due to the absence of synchronization

TOPIC TAGS: radar, radiotelegraphy, radar signal, radar signal analysis, signal to noise ratio, signal processing

ABSTRACT: The purpose of this study is to determine the effect of the passive parameters on the quality of the optimum decision rule and to consider the effect of the absence of synchronization on the optimum decision rule. The mean probability of error is taken as the criterion of quality of the decision rule in making the comparison between systems using signals with passive parameters and synchronous systems. High frequency signals of which the phase, or the phase and amplitude are not known are considered and also signals dependent on the discrete passive parameter which can be used in radar and radiotelegraphy. For synchronous as well as non-synchronous systems as telegraphy. For synchronous as well as non-synchronous systems as the optimum decision rule, the mean probability of error is used which tends to zero for large signal-to-noise ratio, but tending to 1/2 for

Card 1/2

<u>L 39653-66</u> ACC NR: AT6001506

small signal-to-noise ratios. Only the first of the asymptotic expansions are taken into account which limits the treatment to large signal-to-noise ratios. The speed of convergence of the curves of mean probability of error and of signal-to-noise ratios is compared. The results obtained make it possible to estimate to what extent the quality of optimum decision rules in non-synchronous systems is inferior to the quality of optimum decision rules in synchronous systems.

SUB CODE: 17, 09/ SUBM DATE: 04Sep63/ ORIG REF: 004/ SOV REF: 001/ OTH REF: 002

Card 2/2 45

CIA-RDP86-00513R001651820001-7 "APPROVED FOR RELEASE: 08/25/2000

L 38414-66 ACC NRI

ат6018331

SOURCE CODE: PO/2507/65/015/49-/0017/0027

AUTHOR:

Sobczak, W.--Sobchak, V.

ORG: Gdansk Polytecnic, Department of Control and Information Theory (Politechnika Gdanska, katedra teorii sterowania i informacji)

TITLE: Accuracy evaluation in systems with multiple signal modulation

SOURCE: Warsaw. Przemyslowy Instytut Telekomunikacji. Prace, v. 15, no. 19/50, 1965, 17-27

TOPIC TAGS: signal modulation, pulse position modulation, mean square error, communication system

ABSTRACT: A method of calculating the quadratic error in the systems of transmitting several continuous communications simultaneously is described. The existence of small Gauss noises (error of the first mode) is accepted, which premitted the use of the power-expansion method. Decisions are taken according to the highest probability rule.

Card 1/2

UDC: 621.391.01

GODIEWSKI, Zbigniew, Dr med; SOBCZYNSKA, Barbara, lek.

Therapeutic significance of ultrasonics in rheumatic diseases.
Postepy reumat. no.1:180-184 1954.

1. Z Panstwowego Instytutu Reumatologicznego Dyrektor: prof. dr
E.Reicher.

(ULTRASONICS, therapeutic use,
rheum. arthritis)

(ARTRITIS, RHEUMATOID, therapy,
ultrasonics)

The determination of iron by the colorimetric method. (Conclusion)

P. 1h, (Przeglad Skorany. Vol. 11, no. 9, Sept. 1956, Lodz, Poland)

Monthly Index of East European Accessions (FFAI) EC. Vol. 7, no. 2,

E bruary 1958

PAWLEWSKI, Slawomif; SOBCZINSKA-CZECHOWSKA, Zofia

Early result of myleran therapy of chronic myeloid leukemias. Polski tygod. lek. 12 no.43:1650-1654 28 Oct 57.

1. Z Kliniki Hematologicznej Instytutu Hematologii; Kierownik Kliniki: prof. dr med. W. Lawkowicz; dyrektor Instytutu: doc. dr med. A. Trojanowski, Adres: Warszawa, Chocimska 5; Inst. Hematologii.

(BUSULFAN, therapeutic use, leukemia, myelocytic (Pol))

(LEUKEMIA, MYELOCYTIC, therapy, bulsulfan (Pol))

CLECHOW SKA,

PAWEISKI, Slawomir; SOBCZYNSKA, Zofia; WROCZYNSKA, Krystyna; ZABOKRZYCKI, Juliusz

Prolonged hemato-radiological observations on myelosclerosis. Polskie arch. med. wewn. 29 no.2:243-250 1959.

1. Z Oddzialu Hematologicznego Kierownik: prof. dr med. W. Lawkowicz z Zakladu Radiologii Kierownik: doc. med. J. Zabokrzycki Instytutu Hematologii Dyrektor doc. dr med. A. Trojanowski. Adres: Lodz. ul. Armii Ludowej 27 m. 7.

(ANEMIA, LEUKOERTHROBIASTIC, case reports, follow-up (Pol))

PAWELSKI, Slawomir; LESZKO, Bozona; SOBCZYNSKA-CZECHOWSKA, Zofia; WOLOSEWICZ-ZDZIECHOWSKA, Halina

Results of the treatment of 210 cases of various forms of leukemia. Polski tygod. lek. 16 no.33:1279-1284 14 Ag '61.

1. Z Oddzialu Hematologicznego, kierownik: prof. dr med. W. Lawkowicz i z Oddzialu Wewnetrznego, kierownik: dr med. S. Pawelski, Instytutu Hematologii w Warszawie: dyrektor: doc. dr med. A. Trojanowski.

(LEUKEMIA ther)

GEPHER-WOZNIEWSKA, Maria; KACPERSKA, Elzbieta; SOBCZYNSKA-CZECHOWSKA, Zofia; PAWEISKI, Slawomir

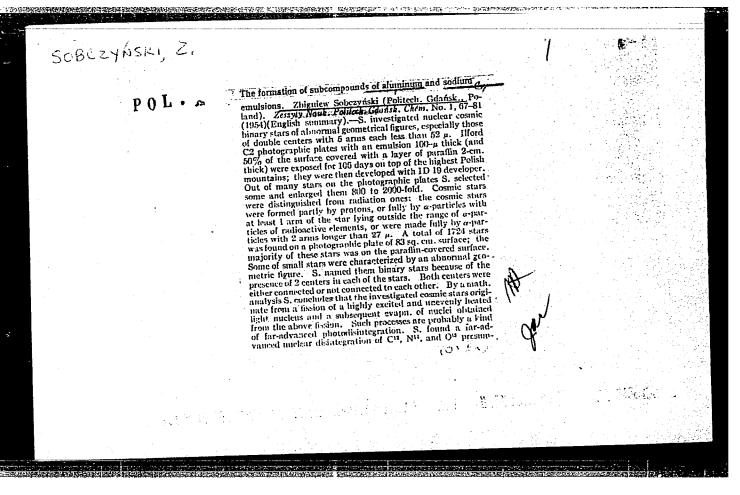
Primary auto-immune hemolytic anemias. Prolonged clinical, hemato-logical and serological observation. Therapeutic results. Pol. arch. med. wewnet. 3/2 no.8:1065-1072 '64.

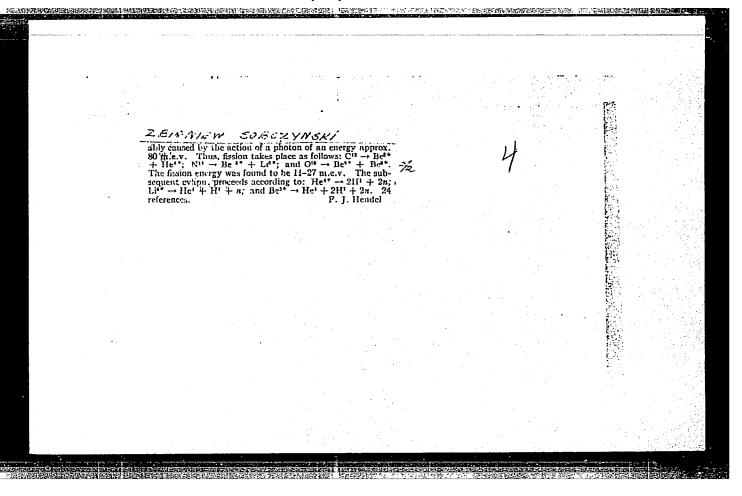
1. Z Oddzialu Chorob Wewnetrznych Instytutu Hematologii (Kierownik: doc. dr. med. S. Pawelski); z Oddzialu Hematologicznego (Kierownik: prof. dr. med. W. Lawkowicz) i z Zakladu Srologii (Kierownik: doc. dr. med. H. Seyfriedowa).

SOBCZYNSKI, Jozef

Osseous tuberosities of the skull in the course of colliquative tuberculosis and luetic infection. Pol. tyg. lek. 20 no.31: 1169-1170 2 Ag '65.

1. Z Oddzialu Chorob Wewnetrznych Szpitala Wojewodzkiego w Warszawie (Ordynator: doc. dr. med. Franciszek Litwin [doceased]).





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CIA-RDP86-00513R001651820001-7

P/528/61/001/000/002/007 D207/D308

AUTHOR:

Sobczyński, Zbigniew

TITLE:

Design of a helical 'time of flight' mass spectrometer for the range 20-300 atomic

mass units

SCURCE:

Danzig. Wyższa Szkoła Pedagogiczna. Zeszyty naukowe. Patematyka, fizyka, chemia, v. 1,

_____1961. Danzig: 1962; -23- 45

The author deals with the design of an omegatron-type mass spectrometer in which ions are focussed after traversing a single 'turn' of the helical path. A theoretical treatment of the ion motion in a constant magnetic field shows that the dependence of the time of flight along the helical path on the ion mass is a suitable basis for the spectrometer action. It is proposed to inject ions in 0.8 psec pulses at an angle of about 60 to the lines of force of a magnetic field of 400 G provided by a 100 cm long coreless solenoid.

Card 1/2

SOBECKA, Z., ed.

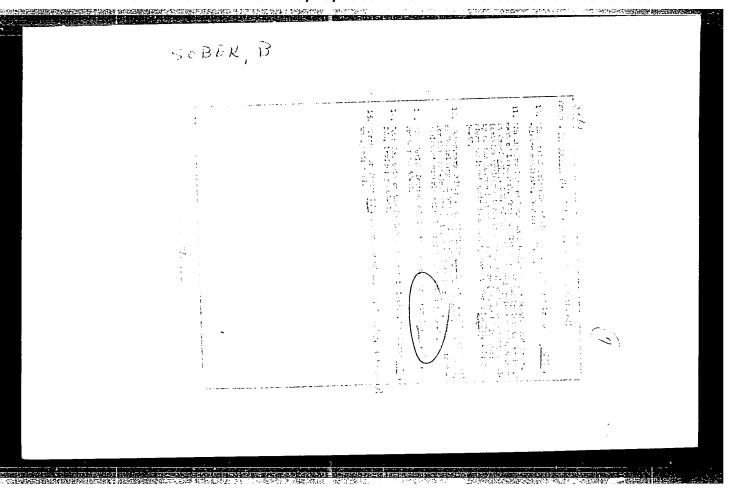
Slovnik chemiczny niemieckopolski z indeksem terminow polskich.

Warszawa, Poland. Panstwowe Wydawn. Naukowe 1958, 830p.

Monthly List of European Accessions (SFAI) LC, Vol. 8, no. 7, July 1959

!ncl.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651820001-7"



CZECHOSLOVAKIA

Prague;

SOBEK, B., DVM.

SOBER B.

Prague, Veterinarstvi, No 4, 1963, pp 145-147

"Some Basic Questions Concerning Reproduction in Farm Animals."

SOREK, Frantisek

Importance of curing periods in the conventional method of thermal treatment of concrete. Poz stavby 11 no.5:245 '63.

1. Vyzkumny ustav stavebni, Gottwaldov.

CIA-RDP86-00513R001651820001-7 "APPROVED FOR RELEASE: 08/25/2000

SOBEK, J.

CZECHOSLOVAKIA/Cultivated Plants - Fruits. Berries.

M-6

Abs Jour

: Ref Zhur - Biol., No 7, 1958, 30051

Author

: _Sobek, J.

Inst

Title

: The Selection of Walnuts.

Orig Pub

: Sbor. Ceskosl. akad. zemod. ved. Rostl. vyroba, 1956,

29, No 8, 717-728 (Czech; res. Russ., Eng., Ger.).

Abstract

: There were 700 seed trees selected in all. In selecting the seed trees were listed in 1, 2, 3, 4 classes, each of which has specific characteristics, a description of which is included. In the first class the size of the nut is 40×35 mm, the weight 10.5 g., the ratio between the weight of the kernel and that of the entire nut is Highest quality nuts were picked out in the districts of Bratislava, Kralova, Gradtsa, Ostrava, Brno. Going from the West to the East in Czechoslovakia, the nut oil content increases with the simultaneous rise in the heaviness

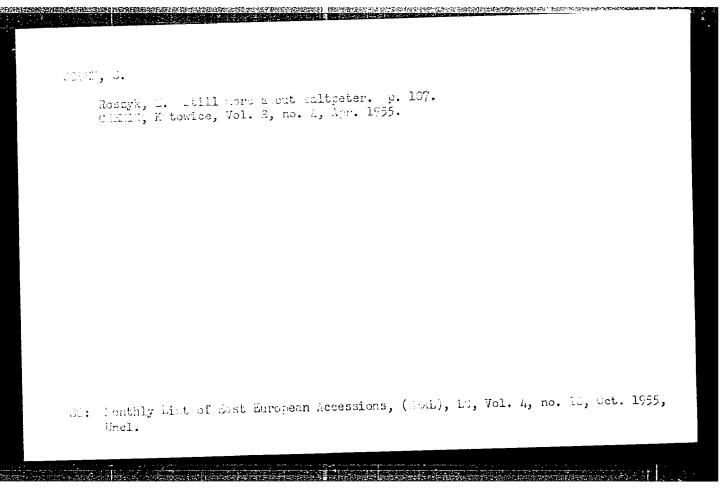
Card 1/2

L 2141.7-66 题后(t)/图域(h) ACC NR: AP6011971. SOURCE CODE: CZ/0057/65/000/003/0133/0135 AUTHOR: Vrtek, Jaromir (Engineer); Sobek, Jan B ORG: NIKG, Ostrava TITLE: Experience in construction and during first years of operation of the oxygen plant at the Klement Gottwald Nova Hut Iron Works SOURCE: Hutnik, no. 3, 1965, 133-135 TOPIC TAGS: furnace, krypton, xenon, oxygen The oxygen is produced as technical-grade product, and used for increasing production rate in existing furnaces. A krypton concentrate plant is also in production, yielding a 40-80% Kr and Xe by volume. The oxygen plant is of Russian manufacture, and produces 4,700 m3/hof 95% 02, 280 m3/hof 99.2% 02, and 20 m3/hof a Kr - Xe concentrate with 0.1 to 0.2% of Kr and Xe. The compressors are of Brown-Boveri manufacture; units have a 32,000 Nm3/h capacity at 6.5 atp pressure. Start-up difficulties of the plant are discussed. Shortcomings of the design of the oxygen plant are described. Orig. art. has: 2 figures and 1 table. [JPRS] SUB CODE: 13 / SUBM DATE: none Steel Making A

SOBEK, S.

"A new nitrogen fertilizer." p. 201. (Chemik. Vol. 6, no. 7/8, July/Aug. 1953. Katowice.)

SO: Monthly List of East European Accessions, Vol. 3, No. 2, Library of Congress, Feb. 1954, Uncl.



SOBEK, V.; RASKOVA, H.

"Effect of a typhoid toxin on the transfer of excitation in ganglia." p. 274.

CESKOSLOVENSKA FYSIOLOGIE. Praha, Czechoslovakia, Vol. 7, no. 3, May 1958.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 8, August, 1959. Uncl.